

## SPECIFICATION

## Ethyl Acetate

## for Medicine Test

| REQUIREMENT  | SPECIFICATION          |
|--|------------------------|
| * Description  | Colorless clear liquid |
| Assay (CH <sub>3</sub> COOC <sub>2</sub> H <sub>5</sub> ) (GC) | min.99.5%(area/area)   |
| Appearance (color)   | max.10 Hazen units     |
| Density (20°C)   | 0.898~0.902g/mL        |
| Refractive index 20°C  | 1.370~1.374            |
| Water  | max.0.1%(mass/mass)    |
| Residue after evaporation                                      | max.0.002%(mass/mass)  |
| Acidity (as CH <sub>3</sub> COOH)                              | max.0.005%(mass/mass)  |
| Ethanol (C <sub>2</sub> H <sub>5</sub> OH) (GC)                | max.0.1%(area/area)    |
| Methanol (CH <sub>3</sub> OH) (GC)                             | max.0.1%(area/area)    |
| Methyl Acetate (CH <sub>3</sub> COOCH <sub>3</sub> ) (GC)      | max.0.1%(area/area)    |
| Substances darkened by sulfuric acid                           | to pass test           |
| Assay (USP-NF)   | minimum 99.5%          |
| Color (APHA) (USP-NF)  | maximum 10             |
| Residue after evaporation (USP-NF)                             | maximum 0.003%         |
| Water (H <sub>2</sub> O) (USP-NF)                              | maximum 0.2%           |
| Titration acid (USP-NF)  | maximum 0.0009meq/g    |
| Substances darkened by sulfuric acid (USP-NF)                  | to pass test           |
| Sp. Gr.(20/20°C) (Ph.Eur.)                                     | 0.901~0.904            |

JIS K 8361:2022(\*:Additional test performed by Wako but not required by JIS)(USP-NF)(Ph.Eur.)